

1. A medical appliance for placement within a portion of the anatomy of a patient, the appliance comprising:

a scaffolding, the scaffolding configured to define a substantially cylindrical member having a distal end and a proximal end and extending longitudinally there between, forming a lumen there through, said scaffolding including:

at least three consecutive circumferential bands, each of the circumferential bands having peaks and valleys and

a plurality of flexible connectors extending between adjacent ones of the circumferential bands, each of said connectors connecting one of the peaks to one of the valleys;

such that when pressure is extended along varying points of the longitudinal extension of the appliance, the appliance does not undesirably foreshorten or elongate.

2. The medical appliance of claim 1, wherein the medical appliance scaffolding comprises a transition metal.

3. The medical appliance of Claim 2, wherein the transition metal is radioactive.

4. The medical appliance of Claim 3, wherein the radioactive signal is provided in a pharmaceutically acceptable amount to treat the target tissue with minimal collateral tissue exposure.

5. The medical appliance of Claim 1, wherein the medical appliance is radially contractable in response to exposure to a magnetic field.

6. A method of treating a patient with an obstruction inside a medical implant, comprising the steps of:

providing a medical appliance comprising a scaffolding, the scaffolding configured to define a substantially cylindrical member having a distal end and a proximal end and extending longitudinally there between, forming a lumen there through, along the longitudinal extension of the appliance the scaffolding forms geometrical patterns formed by angles, wherein the angles determine the relative flexibility of the medical appliance such that the appliance conforms to the topography of a target lumen and when pressure is exerted along varying points of the longitudinal extension of the appliance, the appliance does not undesirably foreshorten or elongate;

activating medical appliance contraction to force the obstruction to migrate; and

activating expansion of the medical appliance to the pre-contracted state.